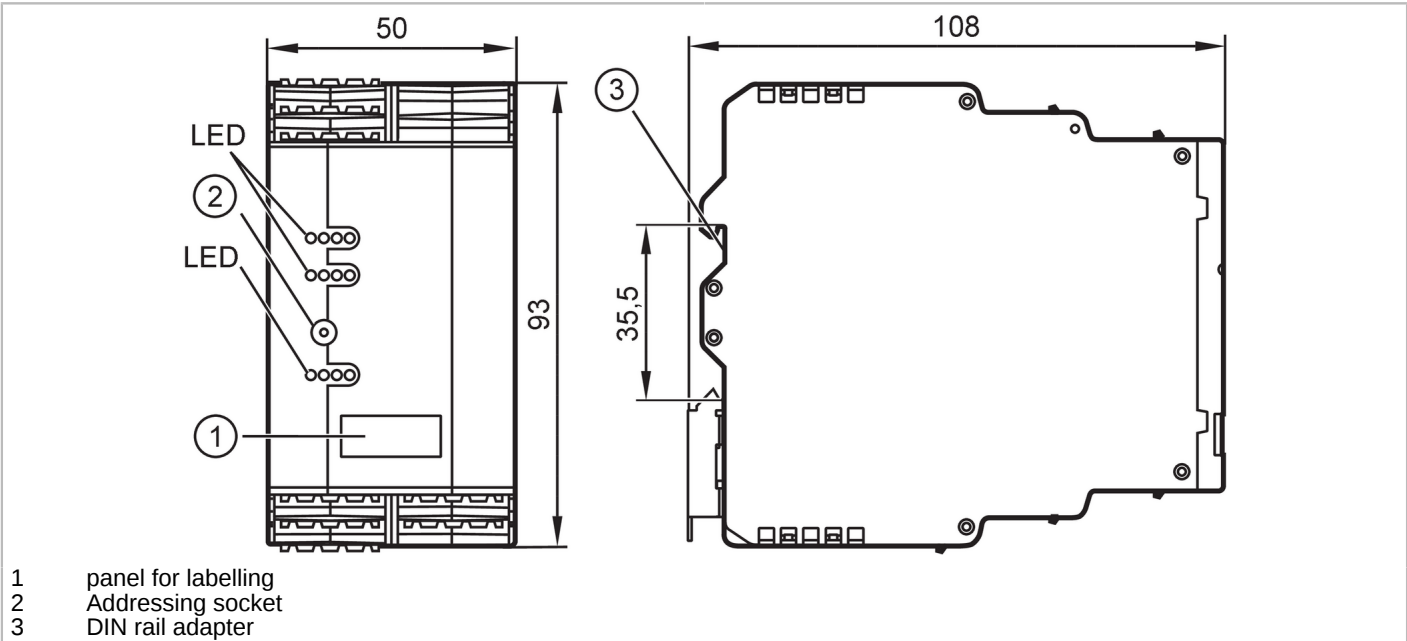


AC2259



AS-Interface control cabinet module

SmartL50 4DI 4DO R C



Application	
Design	housing for DIN rail mounting
Application	I/O modules for control cabinet installations
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	30
Additional voltage supply [V]	20...30 DC; (AUX)
Max. current consumption from additional supply [mA]	1100; (AUX)
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 4
Inputs	
Number of digital inputs	4
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AUX
Voltage supply [V]	20...30; (DC)
Max. total current rating of inputs [mA]	1000
Input current High [mA]	6...10
Input current low [mA]	0...2
Switching level high [V]	> 11
Digital inputs protected against short circuits	yes
Outputs	
Voltage range DC [V]	24



AS-Interface control cabinet module

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Voltage range AC	[V]	10...240
Max. current load per output	[mA]	6000; (resistive load)
Number of relay outputs		4
Contact rating		6 A; (max. 240 V AC / 24 V DC see diagram:: Contact rating normally open (NO): B300: 6000 cycles)
Short-circuit proof		no
Electrically separated		yes

Operating conditions

Ambient temperature	[°C]	-25...60
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 20
Pollution degree		2

Tests / approvals

EMC		EN 61000-6-2	
		EN 62026-2	
		EN 50581	
MTTF	[years]	297	
Notes		The device shall be supplied from an isolating source.; This voltage source must have a secondary UL-listed fuse (see enclosed sheet).; Alternatively, a class 2 power supply can be used to supply AUX.	

AS-i classification

AS-i version	2.11; 3.0				
AS-i addressing	Addressing socket				
Extended addressing mode	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.0.E				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	0.E			
AS-i certificate pending	yes				
Data bits	Data bit	D0	D1	D2	D3
	Input	I-1	I-2	I-3	I-4
	Output	O-1	O-2	O-3	O-4

Mechanical data

Weight	[g]	246
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	93 x 50 x 108
Material		PC-GF20

Displays / operating elements

Display	Switching status	LED, yellow I1...I4, O1...O4
	Power	LED, green AS-i, AUX
	errors	LED, red

Accessories

Accessories (optional)	connector
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AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Remarks

Pack quantity	1 pcs.
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Electrical connection

pin header:

Connection

I-	I-	I-	I-
I1	I2	I3	I4
I+	I+	I+	I+

14	11	11	12
24	21	21	22
A+	A-	E+	E-

34	31	31	32
44	41	41	42

A+	AS-i +
A-	AS-i -
E+	External sensor supply +24V
E-	External sensor supply 0V
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...4	Switching input sensor 1...4
O1...O4	Switching output Relay 1...4
11	Relay O1 changeover contact, common
12	Relay O1 Changeover contact, normally closed
14	Relay O1 Changeover contact, normally open
21	Relay O2 changeover contact, common
22	Relay O2 Changeover contact, normally closed
24	Relay O2 Changeover contact, normally open
31	Relay O3 center contact
32	Relay O3 normally closed
34	Relay O3 normally open
41	Relay O4 center contact
42	Relay O4 normally closed
44	Relay O4 normally open

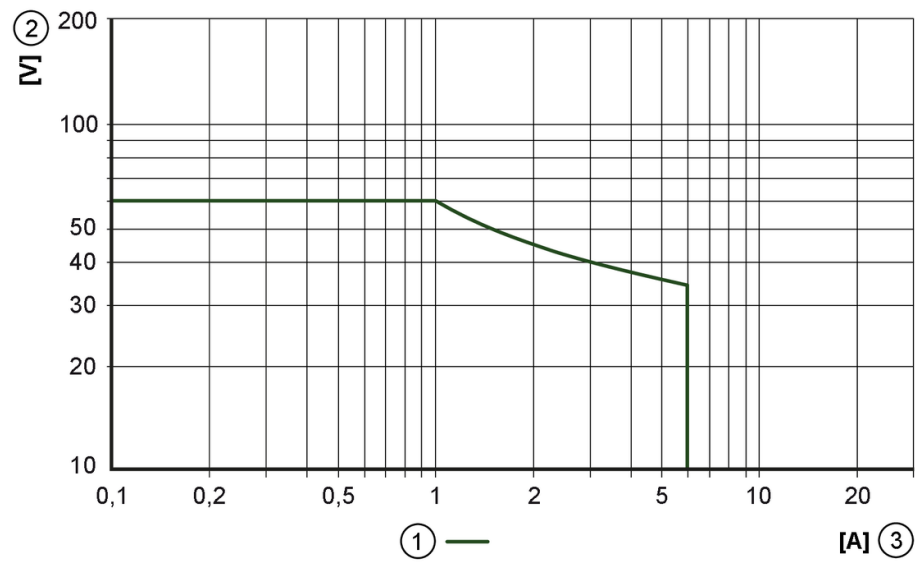


AS-Interface control cabinet module

SmartL50 4DI 4DO R C

Diagrams and graphs

Contact rating



- 1 resistive load
- 2 Voltage [DC]
- 3 Current [DC]